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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
COBB ET AL. )  
Serial No. 09/393,639 )  
Filing Date: September 10, 1999 )  
For: CARRIER INJECTING WAVEFORM- )  
BASED MODULATION SCHEME FOR )  
REDUCING SATELLITE TRANSPONDER )  
POWER REQUIREMENTS AND EARTH )  
TERMINAL ANTENNA SIZE )

Examiner: D. VO  
Art Unit: 2631

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Technology Center 2600

AMENDMENT AFTER FINAL

Director, U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Responsive to the Examiner's final Office Action of October 22, 2002, please enter the amendments and remarks set out below. No new issues are raised by this amendment.

In the Claims:

Please cancel Claims 6, 8, 14, 16, 21, and 26.

Please amend Claims 9, 17, 23, 27, and 28 as follows:

79. (Twice Amended) A communication system comprising:

a quadrature phase shift keyed (QPSK) waveform generator for generating a QPSK waveform based upon a carrier signal and a data signal, the data signal being representative of information to be transmitted and comprising I and Q components, and said QPSK waveform generator biasing at least one of the I and Q components with an offset prior to generating the QPSK waveform, the offset comprising a direct current (DC) offset voltage; and

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